

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF

THE DEPENDENT RESURVEY OF
A PORTION OF THE SOUTH BOUNDARY,
A PORTION OF THE WEST BOUNDARY,
AND
A PORTION OF THE SUBDIVISIONAL LINES,
IN

TOWNSHIP 29 SOUTH, RANGE 9 WEST,

OF THE SALT LAKE MERIDIAN
IN THE STATE OF UTAH

EXECUTED BY

Jeremy D. Davis
Cadastral Surveyor

Under Special Instructions dated *October 5, 2011*, approved *October 5, 2011*, which provided for the surveys included under Group Number *1189*, and Assignment Instructions dated *October 5, 2011*.

Survey Commenced, *October 18, 2011*
Survey Completed, *October 19, 2011*

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INDEX DIAGRAM

TOWNSHIP 29 SOUTH, RANGE 9 WEST, SALT LAKE MERIDIAN, UTAH

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
6 4 31 5 3	32	33	34	35	36

TOWNSHIP 29 SOUTH, RANGE 9 WEST, SALT LAKE MERIDIAN, UTAH

The following field notes are those of the dependent resurvey of a portion of the south boundary, a portion of the west boundary, and a portion of the subdivisional lines, in T. 29 S., R. 9 W., Salt Lake Meridian, Utah.

HISTORY OF SURVEYS

	Surveyed by		Retr. or Resurveyed by	
SOUTH BOUNDARY				
Portion	J. Bausman	1870		
All	T. C. Bailey	1881	T. C. Bailey	1881
Portion			H. Fitzhugh	1882
Portion			R. K. Baugh	1991
EAST BOUNDARY				
Portion	J. Bausman	1870		
Portion	A. D. Ferron	1878		
All			H. Fitzhugh	1882
Portion			J. W. Dougall	1910
Portion			L. V. Judd	2003
WEST BOUNDARY				
Portion	N. E. Britt	1877		
All	T. C. Bailey	1881	T. C. Bailey	1881
Portion			H. Fitzhugh	1882
Portion			J. W. Dougall	1910
Portion			R. C. Yundt	1950
NORTH BOUNDARY				
All	J. W. Dougall	1910		
SUBDIVISION				
Portion	J. Bausman	1870		
Portion	H. Fitzhugh	1882	H. Fitzhugh	1882
Portion	J. W. Dougall	1910	J. W. Dougall	1910

TOWNSHIP 29 SOUTH, RANGE 9 WEST, SALT LAKE MERIDIAN, UTAH

The survey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 2009, and the Special Instructions for Group No. 1189, dated October 5, 2011.

The direction of each line is with reference to the true meridian, determined by Global Positioning System (GPS) utilizing Real-Time Kinematic (RTK) techniques throughout the survey. The positional accuracy of this survey complies with the Standards for the Positional Accuracy of Cadastral Surveys when using Global Navigation Satellite Systems (GNSS), dated February 23, 2009. Trimble model 5800 GPS receivers were used for field collection. Cadastral Measurement Management (CMM) software was the primary software utilized for project calculations.

Preliminary to the resurvey, the lines of the prior surveys were retraced and a search was made for all corners and other calls of record. Identified corners were remonumented in their original positions. Lost corners were reestablished and remonumented at proportionate positions based on the official record. The retracement data was thoroughly verified and only the true line field notes are given herein.

Geodetic control was derived from GPS static observations, post processed by National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS); FRED FREDONIA, NVPI PIOCHE, and ECHO ECHO_BRGN_NV1999.

The geographic position of the corner of sections 30 and 31 only, as determined by direct RTK methods from the National Geodetic Survey OPUS solution, is as follows:

Latitude: **38°15'01.956" N.**,
Longitude: **112°55'01.520" W.**, N.A.D. 83 (2011), EPOCH: 2010.00,
Network Accuracy = 0.200 meter at 95% confidence.

The geographic position of the corner of sections 5, 6, 31, and 32, Tps. 29 and 30 S., R. 9 W., as determined by direct RTK methods from the National Geodetic Survey OPUS solution, is as follows:

Latitude: **38°14'08.893" N.**,
Longitude: **112°53'55.778" W.**, N.A.D. 83 (2011), EPOCH: 2010.00,
Network Accuracy = 0.200 meter at 95% confidence.

DEPENDENT RESURVEY OF A PORTION OF THE SOUTH BOUNDARY,
TOWNSHIP 29 SOUTH, RANGE 9 WEST, SALT LAKE MERIDIAN, UTAH
CHAINS

Dependent Resurvey of a Portion of the South Boundary,
T. 29 S., R. 9 W., Salt Lake Meridian, Utah

Reestablishment of the Survey Executed by T.C. Bailey in 1881,
and the Resurvey Executed by H. Fitzhugh in 1882

Beginning at the corner of sections 5, 6, 31, and 32, monumented with a limestone, 16x12x12 inches, (Record, sandstone, 15x9x6 inches), firmly set, in a small mound of stone, marked 1 notch on the south and 5 notches on the east.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 22 inches in the ground, in a small mound of stone, to aluminum cap marked

T29S R9W	
<u>S31</u>	<u>S32</u>
S6	S5
2011	

Deposit the marked stone and set a steel fence post alongside, and buried a magnet enclosed in a plastic case at base of the aluminum post.

Corner is located on a slight south east slope.

S.89°58.9'W., between sections 6 and 31.

- 41.001** The 1/4 section corner of sections 6 and 31, monumented with a sandstone, 10x8x4 inches, firmly set, marked 1/4 on the north face.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inch diameter, 22 inches in the ground, with aluminum cap marked

T29S R9W	
S31	
1/4	<u> </u>
S6	
T30S	
2011	

Deposit the marked stone and set a steel fence post alongside, and buried a magnet enclosed in a plastic case at base of the aluminum post.

Corner is located on flat open ground.

DEPENDENT RESURVEY OF A PORTION OF THE SOUTH BOUNDARY,
TOWNSHIP 29 SOUTH, RANGE 9 WEST, SALT LAKE MERIDIAN, UTAH
CHAINS

Reestablishment of the Survey Executed by T.C. Bailey in 1881,
and the Resurveys Executed by H. Fitzhugh in 1882,
and R.C. Yundt in 1950

N.89°25.0'W., beginning new measurement.

- 40.754** The corner of sections 1, 6, 31, and 36, monumented with an iron post, 3 inches diameter, firmly set in a mound of stone, 3 ft. base, to brass cap marked as described in the official record of the 1950 resurvey.

Corner is located on the top of a small ridge extending northeast and southwest, in sagebrush.

Dependent Resurvey of a Portion of the West Boundary,
T. 29 S., R. 9 W., Salt Lake Meridian, Utah

Reestablishment of the Survey Executed by T.C. Bailey in 1881,
and the Resurveys Executed by H. Fitzhugh in 1882,
and R.C. Yundt in 1950.

From the corner of sections 1, 6, 31, and 36, on the south boundary of the township, hereinbefore described.

N.0°40.3'E., along the west boundary of section 31.

- 40.450** The 1/4 section corner of section 36, T. 29 S., R. 10 W., monumented with an iron post, 1 inch diameter, firmly set in a small mound of stone, to brass cap marked as described in the official record of the 1950 resurvey.

Corner is located on a gradual northwest slope, in sagebrush.

N.0°07.7'W., beginning new measurement.

- 0.460** The 1/4 section corner of section 31 only, monumented with an iron post, 1 inch diameter, firmly set in a small mound of stone, to brass cap marked as described in the official record of the 1950 resurvey.

Corner is located south of a small wash that drains southwest, in sagebrush.

N.2°33.9'E., beginning new measurement.

- 39.063** The corner of sections 25 and 36, T. 29 S., R. 10 W., monumented with an iron post, 2 inches diameter, firmly set in a mound of stone, 2 ft. base, to brass cap marked as described in the

DEPENDENT RESURVEY OF A PORTION OF THE WEST BOUNDARY,
TOWNSHIP 29 SOUTH, RANGE 9 WEST, SALT LAKE MERIDIAN, UTAH
CHAINS

official record of the 1950 resurvey.

Corner is located on a slight northwest slope, in sagebrush.

N.1°53.4'E., beginning new measurement.

- 1.008 The corner of sections 30 and 31 only, monumented with an iron post, 2 inches diameter, firmly set, projecting 3 inches above the ground, with brass cap marked as described in the official record of the 1950 resurvey.

Found a mound of stone, 3x1 ft., east of the iron post.

Corner is located on a slight west slope, in sagebrush.

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 29 S., R. 9 W., Salt Lake Meridian, Utah

Reestablishment of the Survey Executed by H. Fitzhugh in 1882

From the section corner of sections 5, 6, 31, and 32, on the south boundary of the township, hereinbefore described.

N.0°26.3'E., between sections 31 and 32.

- 40.101 The 1/4 section corner of sections 31 and 32, monumented with a limestone, 16x12x6 inches, firmly set in a small mound of stone, marked 1/4 on the west face.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 22 inches in the ground, in a small mound of stone, to aluminum cap marked

T29S R9W
1/4
S31|S32
2011

Deposit the marked stone alongside and buried a magnet enclosed in a plastic case at base of the aluminum post.

Corner is located on the south edge of a small shallow wash that drains westerly.

N.0°14.8'W., beginning new measurement.

- 40.253 The corner of sections 29, 30, 31, and 32, monumented with a granite stone, 10x8x4 inches, firmly set in a small mound of stone, marked 2 notches on the south and 5 on the east edges.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
TOWNSHIP 29 SOUTH, RANGE 9 WEST, SALT LAKE MERIDIAN, UTAH
CHAINS

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 22 inches in the ground, in a small mound of stone, with aluminum cap marked

T29S R9W	
S30	S29
S31	S32
2011	

Deposit the marked stone alongside and buried a magnet enclosed in a plastic case at base of the aluminum post.

Corner is located on a slight northwest slope in sage brush.

S.89°57.5'W., between sections 30 and 31.

- 39.753** The 1/4 section corner of sections 30 and 31, monumented with a trachyte stone, 12x6x4, (Record: sandstone, 14x10x3 inches), firmly set, in small mound of stone, marked 1/4 on the north face.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inch diameter, 22 inches in the ground, in a small mound of stone, to aluminum cap marked

T29S R9W	
S30	
1/4	_____
S31	
2011	

Deposit the marked stone alongside and buried a magnet enclosed in a plastic case at base of the aluminum post.

Corner is located on a gradual southwest slope, in sagebrush.

N.88°31.1'W., beginning new measurement.

- 39.876** The corner of sections 30 and 31 only, on the west boundary of the township, hereinbefore described.

UNITED STATES
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BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

Name	Capacity
Vincent Porter	Survey Aid

CERTIFICATE OF SURVEY

I, *Jeremy D. Davis, Cadastral Surveyor*, HEREBY CERTIFY upon honor, that in pursuance of Special Instructions bearing the date of the *October 05, 2011*, I have *dependently resurveyed a portion of the south boundary, a portion of the west boundary, and a portion of the subdivisional lines, in Township 29 South, Range 9 West*, of the *Salt Lake Meridian*, in the State of *Utah*, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said Special Instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in specific manner described in the foregoing field notes.

May 1, 2013

Date

[Signature]
Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Salt Lake City, Utah

The foregoing field notes of the *dependent resurvey of a portion of the south boundary, a portion of the west boundary, and a portion of the subdivisional lines, in Township 29 South, Range 9 West, Salt Lake Meridian, Utah*, executed by *Jeremy D. Davis, Cadastral Surveyor*, having been critically examined and found correct, are hereby approved.

May 7, 2013

Date

Daniel W. Webb
Chief Cadastral Surveyor for Utah